

AMENDMENTS TO THE CLAIMS

1-17. (Canceled)

18. (Currently Amended) A laminated structure, comprising:
first and second facing layers; and

a stretchable adhesive composition between at least a portion of each of the first and second facing layers, the stretchable adhesive composition including an atactic polymer having a degree of crystallinity of about 20% or less, an isotactic polymer having a degree of crystallinity of about 40% or greater, and an elastomeric base polymer;

wherein the laminated structure has a 180° static peel strength (time to fail) of at least about six hours and a dynamic peel strength after 85% stretch of at least about 2000 grams per 2-inch width.

19. (Original) The laminated structure of Claim 18, wherein at least one of the first and second facing layers comprises at least one of the group consisting of: nonwoven material, woven material, hook material, laminate, film, an elasticized component, and combinations thereof.

20. (Original) The laminated structure of Claim 18, wherein at least one of the first and second facing layers comprises at least one of the group consisting of: a spunbond web, a meltblown web, a necked-bonded laminate, hook material, and combinations thereof.

21. (Original) The laminated structure of Claim 18, wherein the first and second facing layers are each part of a single substrate.

22. (Original) The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 2 hours or greater at 100 degrees Fahrenheit.

23. (Original) The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 4 hours or greater at 100 degrees Fahrenheit.

24. (Original) The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 8 hours or greater at 100 degrees Fahrenheit.

25. (Original) The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 1 or less.

26. (Original) The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 0.5 or less.

27. (Original) The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 0.2 or less.

28. (Original) The laminated structure of Claim 18, wherein the atactic polymer is selected from the group consisting of: atactic polypropylene, low density polyethylene, atactic polystyrene, atactic polybutene, amorphous polyolefin copolymer, and combinations thereof.

29. (Original) The laminated structure of Claim 18, wherein the isotactic polymer is selected from the group consisting of: isotactic polypropylene, high density polyethylene, isotactic polystyrene, isotactic polybutene, and combinations thereof.

30. (Original) The laminated structure of Claim 18, wherein the elastomeric base polymer comprises at least one of the group consisting of: styrene-isoprene-styrene (SIS) multi-block copolymer, styrene-butadiene-styrene (SBS) multi-block copolymer, styrene-ethylene-butene-styrene (SEBS) multi-block copolymer, styrene-ethylene-propylene-styrene (SEPS) multi-block copolymer, metallocene

polyethylene/octane/polypropylene and/or butane, hexane, polyisoprene, polybutadiene, or ethylene vinyl acetate copolymers, and combinations thereof.

31. (Original) The laminated structure of Claim 18, wherein the stretchable adhesive composition further comprises a low softening point additive having a softening point of about 80 degrees Celsius or less and a viscosity of about 1000 cps or less at 182 degrees Celsius, present in an amount between about 0% and about 40% by weight of the stretchable adhesive composition.

32. (Original) The laminated structure of Claim 18, wherein the stretchable adhesive composition further comprises about 50% or less by weight of any additive selected from the group consisting of: a tackifier, a high softening point tackifier, an antioxidizing agent, a plasticizer, mineral oil, color pigment, filler, a polymer compatibilizer, and combinations thereof.

33. (Withdrawn) A garment comprising the laminated structure of Claim 18.

34. (Withdrawn) The garment of Claim 33, wherein the garment is selected from the group consisting of: personal care garments, medical garments, and industrial workwear garments.

35. (Withdrawn) The garment of Claim 33, wherein the garment is selected from the group consisting of: diapers, training pants, swim wear, absorbent underpants, adult incontinence products, feminine hygiene products, protective medical gowns, surgical medical gowns, caps, gloves, drapes, face masks, laboratory coats, and coveralls.

36-43. (Canceled)

44. (Previously Presented) The laminated structure of Claim 18, wherein the atactic polymer comprises atactic polypropylene.

45. (Previously Presented) The laminated structure of Claim 18, wherein the isotactic polymer comprises isotactic polypropylene.

46. (Previously Presented) The laminated structure of Claim 44, wherein the isotactic polymer comprises isotactic polypropylene.

47. (Previously Presented) The laminated structure of Claim 44, wherein the elastomeric polymer comprises a styrene block copolymer having a styrene content of up to about 45% by weight.

48. (Previously Presented) The laminated structure of Claim 18, wherein the elastomeric base polymer has a melt flow rate between about 10 and about 2000 grams per minute, a Shore A hardness between about 20 and about 70, and may be stretched to about 1300% or less.

49. (Previously Presented) The laminated structure of Claim 18, wherein the stretchable adhesive composition comprises between about 30% and about 90% by weight atactic polymer.

50. (Previously Presented) The laminated structure of Claim 18, wherein the stretchable adhesive composition comprises between about 5% and about 30% by weight isotactic polymer.

51. (Previously Presented) The laminated structure of Claim 18, wherein the stretchable adhesive composition comprises between about 2% and about 20% by weight elastomeric base polymer.

52. (Previously Presented) The laminated structure of Claim 18, further comprising a plurality of elastomeric polymer strands adhered to the stretchable adhesive composition.

53. (Previously Presented) The laminated structure of Claim 52, wherein the elastomeric polymer strands are laid out periodically.

54. (Previously Presented) The laminated structure of Claim 52, wherein the elastomeric polymer strands are laid out non-periodically.

55. (Previously Presented) The laminated structure of Claim 18, wherein the atactic polymer has a degree of crystallinity of about 15% or less and a number average molecular weight of about 3,000 to about 100,000.

56. (Previously Presented) The laminated structure of Claim 18, wherein the isotactic polymer has a degree of crystallinity of about 60% or greater and a number average molecular weight of about 3,000 to about 200,000.

57. (Previously Presented) The laminated structure of Claim 18, wherein the isotactic polymer has a degree of crystallinity of about 80% or greater and a number average molecular weight of about 10,000 to about 100,000.

58. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition has an open time of about 2 minutes or less.

59. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition has an open time of about 30 seconds or less.

60. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition has an open time of about 10 seconds or less.

61. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition comprises more of the atactic polymer than of the isotactic polymer.

62. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition comprises more than twice as much of the atactic polymer than of the isotactic polymer.

63. (Previously Presented) The laminated structure of Claim 18, wherein the adhesive composition comprises more than three times as much of the atactic polymer than of the isotactic polymer.

64. (Previously Presented) The laminated structure of Claim 18, wherein the atactic polymer has a number average molecular weight of about 1,000 to about 300,000.

65. (Previously Presented) The laminated structure of Claim 18, wherein the isotactic polymer has a number average molecular weight of about 3,000 to about 200,000.